

45728-14

9/6/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

VJP Consulting, Inc
21320 Sweet Clover Place
Ashburn, VA 20147

SEP 6 2012

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Attention Dr Vincent J Piccirillo
Authorized Agent for Taminco

Subject Thionic Ziram Technical (45728-14)
EPA Reg No 45728-14
Notification Letter Dated August 3, 2012

This letter acknowledges receipt of the Notification identified above submitted under the provisions of section 3(c)(9) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended and PR Notice 98-10 This Notification requests

- To clarify latex paint use directions to read
"For exterior latex paints, use no more than 1% THIONIC based on total weight (equal to about 10 lbs per 100 gallons) For all other paints, use no more than 3% THIONIC based on total weight (equal to no more than 30 lbs per 100 gallons), added during the pigment-dispersion stage of manufacture It is recommended that users of paints applied with an airless sprayer wear suitable respiratory protection "

However, please add the EPA registration number and company address to the technical bulletin

Based on a review of the submitted information, this notification is acceptable This information has been made a part of your file

Should you have any questions concerning this letter, please contact Elizabeth Hernandez at (703) 347-0241

Sincerely,

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510C)

Please read instructions on reverse before completing form

Form Approved OMB No 2070-0060 Approval expires 5 31 98

	United States	<input type="checkbox"/>	Registration	OPP Identifier Number
	Environmental Protection Agency	<input type="checkbox"/>	Amendment	
	Washington DC 20460	<input checked="" type="checkbox"/>	Other	

Application for Pesticide – Section I

1 Company/Product Number 45728 14	2 EPA Product Manager Marshall Swindell	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) Thionic® Ziram Technical	PM # 33	
5 Name and Address of Applicant (Include ZIP Code) Taminco Inc Two Windsor Plaza Suite 411 7540 Windsor Drive Allentown PA 18195 <input type="checkbox"/> Check if this is a new address	6 Expedited Review In accordance with FIFRA Section 3(c)(3) (b)(i) my product is similar or identical in composition and labeling to EPA Reg No _____ Product Name _____	

Section – II

<input type="checkbox"/> Amendment – Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> Me Too Application
<input checked="" type="checkbox"/> Notification – Explain below	<input type="checkbox"/> Other – Explain below

Explanation Use additional page(s) if necessary (For Section I and Section II)
 Notification to correct the Thionic® Ziram Technical label use in latex paint to be consistent with the Reregistration Eligibility decision for Ziram. This notification is consistent with the provisions of PR Notice 98 10 and EPA regulation, at 40 CFR 152.46 and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 U S C Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98 10 and 40 CFR 152.46 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section III

1 Material This Product Will be Packaged in				2 Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
*Certification must be submitted		If Yes Unit Packaging wgt	No per container	If Yes Package wgt	No per container
3 Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4 Size(s) Retail Container 55 pounds		5 Location of label directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Label accompanying product	
6 Manner in Which Label is Affixed to Product			<input type="checkbox"/> Lithograph	<input type="checkbox"/> Other _____	
			<input type="checkbox"/> Paper glued		
			<input type="checkbox"/> Stenciled		

Section IV

1 Contact Person (Complete items directly below for identification of individual to be contacted if necessary to process this application)			
Name Vincent J Piccirillo	Title VJP Consulting Inc Authorized Agent	Telephone No (Include Area Code) (703) 858 5894	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6 Date Application Received (Stamped)
2 Signature 	3 Title VJP Consulting Inc Authorized Agent		
4 Typed Name Vincent J Piccirillo	5 Date August 3 2012		

Should you have any questions, please feel free to contact me

Sincerely yours,



Vincent J Piccirillo, Ph D , DABT
Authorized Agent for Taminco

cc Ann Vermaete, Taminco
Jean-Michel Denis, Taminco
Frank Flynn, R T Vanderbilt

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Thionic® Ziram Technical

ACTIVE INGREDIENT	Ziram (Zinc dimethyldithiocarbamate)	98.25%
OTHER INGREDIENTS		1.75%
	TOTAL	100.00%

EPA Reg No 45728-14

EPA Est 32537-BEL-1

**KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO**

FIRST AID	
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If inhaled	Move person to fresh air. If person is not breathing call 911 or an ambulance then give artificial respiration preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For Emergencies involving a Spill, Leak, Fire, Exposure or Accident Contact CHEMTREC at (800) 424-9300. For product usage information phone Taminco Inc. at (800) 223-3258 from 9:00 AM to 5:00 PM Eastern time.	
NOTE TO PHYSICIAN	
Possible mucosal damage may contraindicate gastric lavage.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER Corrosive causes irreversible eye damage. May be fatal if swallowed or inhaled. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For use only by manufacturers in the formulation of rabbit repellents or in the formulation of fungicide products for the following uses: almonds, apples, apricots, blueberries, blackberries, boysenberries, dewberries, youngberries, cherries, conifers/pine seedlings, grapes, nectarines, ornamentals, and ornamental fruit varieties, peaches, pears, pecans, strawberries, and tomatoes. This product may be used in the formulation of material preservatives for the following nonpesticide products: latex paint, paper and paperboard, paper coatings, adhesives, dried films, and industrial yarns and fabrics and short term spoilage protection for water reduced industrial materials. See Bulletin Thionic-01 for directions for these uses. Subsequent formulators are responsible for providing documentation to support the registration of their product(s).

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE Store in a cool, dry place in the original container and away from sources of ignition.

PESTICIDE DISPOSAL Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

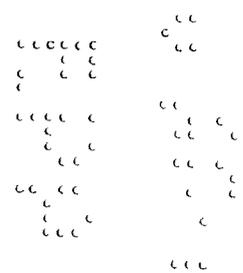
CONTAINER HANDLING Do not reuse or refill this container. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Taminco Inc. makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label.

NET WEIGHT 55 POUNDS (25 KG)



Taminco Inc
Two Windsor Plaza Suite 411
7540 Windsor Drive
Allentown PA 18195



THIONIC® ZIRAM TECHNICAL

DESCRIPTION

This Technical Bulletin is directed to formulators and their personnel to provide adequate information on the product. This information should be considered the basis for development and utilization of safe and proper handling procedures. For any further information contact Tamirco Inc.

CHEMICAL FORMULA



PHYSICAL AND CHEMICAL PROPERTIES

- Active Ingredient
Zinc dimethyldithiocarbamate 98.25%
- Physical State
Creamy white powder
- Odor
Nil
- Melting Point
Decomposes > 250° C
- pH (in 4% aqueous suspension)
7.29
- Solubility (in H₂O)
Soluble in part
- Bulk Density (g/cc)
0.25

PACKAGING

55 Pounds net multi ply paper bags or other approved packaging

CHEMICAL REACTIVITY

- Ziram is stable and non corrosive. However excessive heat and moisture should be avoided as should contact with strong oxidizers.
- Contact with inorganic acids liberates carbon disulfide.
- Incompatible with copper and mercury compounds.

FLAMMABILITY AND FIREFIGHTING

This product is considered noncombustible. However under fire conditions it may decompose and emit toxic fumes of carbon nitrogen and sulfur oxides.

Use standard extinguishing media: water, carbon dioxide, dry chemicals, or foam. When there is a potential for exposure wear a self-contained breathing apparatus in positive pressure mode. In addition impervious clothing should be worn.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to this discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters.

TOXICOLOGY

TOXICITY TO ANIMALS*

Oral	LD ₅₀ (mg/kg) 320* (rat)
Dermal	LD ₅₀ (mg/kg) >2 000* (rat)
Inhalation	LC ₅₀ (mg/l) 0.07* (rat)
Primary Eye Irritation	Corrosive* (rabbit)
Primary Skin Irritation	No irritation (4 hrs) * (rabbit)
Skin Sensitization	Sensitization rate of 30% * (guinea pig)

* Tamirco Inc Proprietary Study

HUMAN TOXICITY

ZIRAM is irritating to eyes nose throat and skin May be fatal if swallowed or inhaled Harmful if absorbed through skin

An antabuse like reaction with flushing sweating headache weakness and hypotension may occur when ethyl alcohol (alcoholic beverages) is ingested following exposure to this material

Symptoms Rhinitis laryngitis pharyngitis gastritis dermatitis disorders in metabolism blood picture and in liver function

SAFETY MEASURES, FIRST AID

- Wear chemical resistant gloves inhalation mask or respirator safety goggles or face shield and coveralls
- Provide adequate ventilation
- Keep out of reach of children and away from food drink and feeding stuffs
- Wash thoroughly with soap and water after handling
- In case of contact with eyes rinse immediately with plenty of water and contact a physician
- In swallowed drink large quantities of water and seek medical attention immediately
- Store in a cool dry place away from sparks or open flame

APPLICATIONS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

This product may be used in the formulation of fungicide products for the following uses

- | | |
|---------------------------|------------------------------|
| * Almonds | * Grapes |
| * Apples | * Nectarines |
| * Apricots | * Ornamentals |
| * Blueberries | * Ornamental Fruit Varieties |
| * Blackberries | *Peaches |
| * Boysenberries | * Pears |
| * Dewberries | * Pecans |
| * Youngberries | *Strawberries |
| * Cherries | *Tomatoes |
| * Conifers/Pine Seedlings | |

This product may be used in the formulation of the following non-pesticide products

- | | |
|--------------------------------------|--------------------------------|
| • latex paint | • adhesives |
| • paper and paperboard | • industrial yarns and fabrics |
| • paper coatings | • dried films |
| • water reduced industrial materials | |

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Use Directions

Mold inhibitor for Latex Paint For exterior latex paints use no more than 1% THIONIC based on total weight (equal to about 10 lbs per 100 gallons) For all other paints use no more than 3% THIONIC based on total weight (equal to no more than 30 lbs per 100 gallons) added during the pigment dispersion stage of manufacture It is recommended that users of paints applied with an airless sprayer wear suitable respiratory protection **Do not use in formulations containing metallic drier**

Mold Resistant Paper and Paperboard To impart mold resistant properties to paper or paperboard apply as a surface treatment on size press or calendar stack THIONIC diluted as required to retain 0.5% solids on the weight of the sheet See TAPPI Standard T487M-54 for mold resistance evaluation method Do not use for the manufacture of mold resistant paper or paperboard intended for food packaging purposes

Preservation of Paper Coatings To preserve non-food contact paper coatings add 0.1% THIONIC by weight or the dry starch or protein

Preservation of Adhesives - To preserve starch and synthetic latex adhesive formulations (dry after water is added by end-user) against bacterial degradation add 0.185% to 0.5% THIONIC by weight of total composition during manufacture of adhesive composition This product is cleared for use in adhesives used in food packaging (FDA § 175.105)

Preservation of Industrial Yarns and Fabrics - For long-term protection of industrial yarns and fabrics from mildews, rots and bacterial decomposition use 1.25% ± 0.25% THIONIC based on the weight of the material applied in water dispersion

Preservative for Dried Films - The dried films of water-based or water-reduced industrial materials are often subject to defacement by mold and mildew Such materials include wall and ceiling textures, wallpaper paste, wallboard joint compounds, spackles, wood fillers, caulks and sealants THIONIC should be added at 0.185 to 0.5% (based on potential dry film solids weight) during the initial phase of formula preparation to assure adequate wetting and disbursement

Short-term Spoilage Protection – THIONIC can supply short-term protection from spoilage to water-reduced industrial materials including wallboard compounds For successful control of spoilage the use of good quality water and clean manufacturing conditions are required In ready mix products add 0.4 - 0.5% THIONIC to the water based formula during manufacture based on total weight In dry powder formulas the amount of THIONIC added during final manufacture should be sufficient to attain 0.4 - 0.5% THIONIC in the final mixture once water is added at the use site

IMPORTANT

Consult with Taminco Inc. or the Environmental Protection Agency to obtain information on currently registered uses for Ziram as they are subject to change

Subsequent formulators are responsible for providing documentation to support any required registration of their product(s)

Thionic® is a registered trademark of Taminco S.A. a Belgian corporation

